

PROCESS FOR THE PRODUCTION OF SPECIFIC ISOMER MIXTURES FROM OXINDOLE
ALKALOIDS; ISOMERIZATION ACCORDING TO DEFINED PATTERN

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Abstract:

To produce defined isomer mixtures of compounds with spirocyclic beta-aminocarboxyl and/or beta-aminocarbonyl systems the invention supposes that they be dissolved in solvents which have good dissolving power for these compounds, whose relative permittivity is sufficient to stabilize the amphoteric intermediates occurring in isomerization, which as proton donors constitute hydrogen bridges, whose basicity is less than that of the compounds for isomerization and whose boiling point is so high that an adequate reaction speed can be attained by raising temperature. Further, the invention proposes that the isomerization be prevented, influenced, or terminated by altering at least one of these factors and or by altering the temperature.

Exemplary Claim:

D R A W I N G

1. A method of preparing a mixture of isomers of a spiro oxindole alkaloid, said mixture having a definable isomer pattern, said method comprising: defining said isomer pattern of said mixture of isomers, selecting an organic solvent being able to dissolve said oxindole alkaloid and being homogeneously miscible with water, selecting a concentration of said organic solvent, said concentration determining said defined isomer pattern, preparing a homogeneous solvent-agent comprising water and said organic solvent, and dissolving said oxindole alkaloid in said solvent-agent, said oxindole alkaloid being isomerized into said mixture of isomers according to said isomer pattern.

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